



1999 Toxics Release Inventory

PENNSYLVANIA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	89,572,576	82,106,144	171,678,720
Air Emissions	36,641,899	72,768,754	109,410,653
Surface Water Discharges	48,992,454	63,002	49,055,456
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	107,772	1,614,600	1,722,372
Other On-site Land Releases	3,830,451	7,659,788	11,490,239
Off-site Releases (Transfers Off-site to Disposal)*	53,681,196	10,208,674	63,889,870
Total On- and Off-site Releases	143,253,772	92,314,818	235,568,590
Recycled On-site	350,066,276	78,499	350,144,775
Recycled Off-site	180,352,997	1,566,437	181,919,434
Energy Recovery On-site	51,115,733	0	51,115,733
Energy Recovery Off-site	20,435,839	37,055	20,472,894
Treated On-site	248,978,886	39,557,338	288,536,224
Treated Off-site**	32,735,659	489,160	33,224,819
Quantity Released On- and Off-site***	138,983,952	91,347,113	230,331,065
Total Production-related Waste Managed	1,022,669,342	133,075,602	1,155,744,944
Total Non-production-related Waste Managed	1,336,554	113,357	1,449,911

Transfers Off-site for Further Waste Management/Disposal

Recycling	176,980,662	1,566,406	178,547,068
Energy Recovery	20,435,684	44,893	20,480,577
Treatment	13,410,417	71,584	13,482,001
Publicly Owned Treatment Works (POTWs)	8,199,725	413,880	8,613,605
Metals and Metal Compounds*	255,234	1,260	256,494
Non-metal TRI Chemicals**	7,944,491	412,620	8,357,111
Other Off-site Transfers***	7,045	0	7,045
Off-site Transfers to Disposal (not including metals to POTWs)	72,605,321	10,235,537	82,840,858
Total Transfers Off-site for Further Waste Management/Disposal	291,638,854	12,332,300	303,971,154

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

Thomas J. Ward, Jr.
(717) 783-2071

Fax: (717) 783-5099

E-mail: pennsafe@dlr.state.pa.us

EPA Regional Contact:

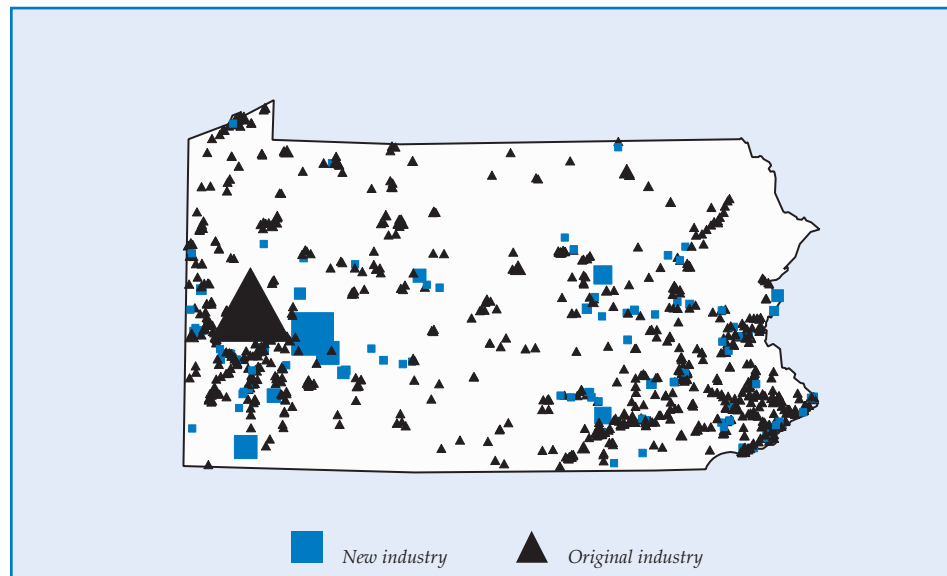
Bill Reilly
(215) 814-2072

Fax: (215) 814-3114

E-mail: reilly.william@epa.gov

To obtain TRI data use
assistance, call TRI User
Support Service (TRI-US):
(202) 260-1531

Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Pennsylvania. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	11,994,016
Square Miles	44,820
Total Facilities	1,334
Total Forms	4,813
Form As	741

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	3	7	3
Pounds	143,253,772	92,314,818	235,568,590
National Rank for Total On-site Releases**			
Rank	4	8	8
Pounds	89,572,576	82,106,144	171,678,720
National Rank for Total Releases within State***			
Rank	3	7	8
Pounds	140,647,972	93,967,374	234,615,346
National Rank for Production-related Waste Managed			
Rank	4	9	7
Pounds	1,022,669,342	133,075,602	1,155,744,944

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



1999 Toxics Release Inventory

PENNSYLVANIA

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-Site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Nitrate compounds	389	48,550,043	0	30	181,247	48,731,709	47,293	100,775	81,762
--	Zinc compounds	1,466,955	22,952	0	1,579,882	28,539,090	31,608,879	4,097,609	27,038,233	1,502,407
--	Manganese compounds	41,419	21,118	0	791,329	9,363,837	10,217,703	637,266	3,689,644	5,674,193
108-88-3	Toluene	4,662,172	3,412	0	1	26,647	4,692,232	8,076	5,617	21,030
67-56-1	Methanol	3,967,336	5,042	0	2,131	54,356	4,028,865	370	6,713	47,643
--	Lead compounds	34,513	3,426	0	5,146	3,512,177	3,555,262	3,153,368	1,610,298	2,700,945
7647-01-0	Hydrochloric acid	3,197,155	0	0	7	0	3,197,162	1,647,770	0	0
75-09-2	Dichloromethane	3,136,081	5	0	0	497	3,136,583	52	6	491
7664-41-7	Ammonia	2,701,957	186,679	0	11,685	24,338	2,924,659	78	7,778	16,560
--	Chromium compounds	69,666	7,403	0	821,336	1,458,680	2,357,085	169,772	1,266,682	314,810

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

Note: Due to an EPA data entry error, one chemical reporting revision for 1999 by a facility, the US Army Letterkenny Depot in Chambersburg, PA, reporting in the original industry sector was not included in this table. At the time of publication, the facility had notified EPA that it anticipated revising off-site transfers to disposal (transferred into the state of New Jersey) for manganese compounds from 5,584,900 pounds to below 500 pounds. Revisions by this facility of two other compounds are included in the State Fact Sheet tables but not included in the tables in the 1999 TRI Public Data Release report.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-Site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	53,542,873	0	0	5	0	53,542,878	0	0	0
7664-93-9	Sulfuric acid	14,474,478	0	0	0	0	14,474,478	0	0	0
--	Barium compounds	76,874	5,294	0	2,238,113	2,097,661	4,417,942	250,963	2,118,656	5
7664-39-3	Hydrogen fluoride	3,830,161	0	0	0	0	3,830,161	0	0	0
--	Zinc compounds	61,173	4,613	0	1,864,260	1,260,889	3,190,935	243,989	1,244,519	16,370
--	Lead compounds	24,955	414	0	1,075,156	1,057,615	2,158,140	845,185	1,050,850	6,780
--	Manganese compounds	23,747	23,466	0	801,056	1,054,503	1,902,772	15,673	1,054,469	34
--	Chromium compounds	25,907	2,212	0	680,914	722,929	1,431,962	52,396	718,229	4,700
--	Copper compounds	51,016	1,442	0	619,382	711,314	1,383,154	58,276	703,994	7,320
--	Nitrate compounds	0	5,460	0	981,000	35,000	1,021,460	0	35,000	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



1999 Toxics Release Inventory

PENNSYLVANIA

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
AK Steel - Butler Works (Rte. 8S), Butler, Butler	159,755	32,048,607	0	0	0	1,811,200	34,019,562	238,148	11,445
AK Steel - Butler Works (Bantam Ave.), Butler, Butler	21,640	4,500,498	0	0	0	0	4,522,138	61,100	497
International Paper/Lock Haven Mill, Lock Haven, Clinton	1,222,905	62,303	0	0	0	1,562,598	2,847,806	0	0
Osram Sylvania Prods. Inc., Towanda, Bradford	80,461	2,743,012	0	0	0	0	2,823,473	535,880	19,436
Carpenter Tech. Corp., Reading, Berks	109,313	2,155,495	0	0	0	0	2,264,808	1,521	30
J&L Specialty Steel Inc., Midland, Beaver	27,347	2,150,472	0	0	0	0	2,177,819	75,558	710,008
International Paper Erie Mill, Erie, Erie	1,843,785	730	0	0	0	0	1,844,515	128,314	0
Foamex L.P., Corry, Erie	1,642,890	0	0	0	0	0	1,642,890	0	0
USS - Clairton Works, Clairton, Allegheny	897,204	674,100	0	0	0	0	1,571,304	4,502	0
P. H. Glatfelter Co., Spring Grove, York	1,435,787	48,006	0	0	0	41,621	1,525,414	4,045	46,910

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Keystone Station, Shelocta, Armstrong	20,030,757	17,435	0	0	0	653,500	20,701,692	0	0
Allegheny Energy Inc. Hatfield Power Station, Masontown, Greene	8,511,375	21	0	0	0	797,700	9,309,096	0	0
EME Homer City Generation L.P., Homer City, Indiana	8,669,369	5,617	0	0	0	529,600	9,204,586	0	0
PP&L -Montour Steam Electric Station, Danville, Montour	6,474,645	0	0	0	0	46,650	6,521,295	0	0
Brunner Island Steam Electric Station, York Haven, York	5,490,722	0	0	0	0	0	5,490,722	0	0
Mill Service Inc., Yukon, Westmoreland	2,940	4,920	0	0	1,614,600	2,100,900	3,723,360	348,300	5
Shawville Station, Shawville, Clearfield	3,182,272	823	0	0	0	289,000	3,472,095	0	0
Portland Station, Portland, Northampton	2,697,727	220	0	0	0	0	2,697,947	29,000	0
Conemaugh Station, New Florence, Indiana	1,611,432	13,164	0	0	0	947,000	2,571,596	0	0
Firstenergy Bruce Mansfield Plant, Shippingport, Beaver	2,531,100	4,101	0	0	0	0	2,535,201	1,563,235	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



1999 Toxics Release Inventory

PENNSYLVANIA

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
AK Steel - Butler Works (Rte. 8S), Butler, Butler	0	7,074,000	0	0	37,901,000	48	34,266,900	79,241,948	0
Zinc Corp. of America Monaca Smelter, Monaca, Beaver	0	0	0	0	0	0	27,243,000	27,243,000	0
USS Mon Valley Works - Edgar Thomson Plant, Braddock, Allegheny	3,015,620	152,660	0	0	0	0	5,664,400	8,832,680	0
AK Steel - Butler Works (Bantam Ave.), Butler, Butler	0	0	0	0	5,400,000	382	4,583,500	9,983,882	0
Osram Sylvania Prods. Inc., Towanda, Bradford	853,795	12,852	0	0	2,594,453	0	3,378,788	6,839,888	0
Zinc Corp. of America, Palmerton, Carbon	6,743	0	0	0	0	0	3,187,950	3,194,693	0
J&L Specialty Steel Inc., Midland, Beaver	17,299,323	5,377,842	0	0	6,041,683	1,022,555	2,887,825	32,629,228	0
International Paper/Lock Haven Mill, Lock Haven, Clinton	0	15,939	0	0	354,396	0	2,843,529	3,213,864	0
Carpenter Tech. Corp., Reading, Berks	276,343	4,380,293	0	0	1,733,520	1	2,266,328	8,656,485	0
International Paper Erie Mill, Erie, Erie	0	0	0	0	1,850,000	3,113,040	1,969,701	6,932,741	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Keystone Station, Shelocta, Armstrong	0	0	0	0	3,010,000	0	20,703,000	23,713,000	0
Allegheny Energy Inc. Hatfield Power Station, Masontown, Greene	0	0	0	0	0	0	9,300,900	9,300,900	0
EME Homer City Generation L.P., Homer City, Indiana	0	0	0	0	3,980,000	0	9,204,000	13,184,000	0
PP&L -Montour Steam Electric Station, Danville, Montour	0	0	0	0	0	0	6,076,624	6,076,624	0
Brunner Island Steam Electric Station, York Haven, York	0	0	0	0	0	0	5,489,977	5,489,977	0
Firstenergy Bruce Mansfield Plant, Shippingport, Beaver	0	0	0	0	0	0	4,099,100	4,099,100	15
Mill Service Inc., Yukon, Westmoreland	0	0	0	0	1,033,000	0	3,723,913	4,756,913	0
Shawville Station, Shawville, Clearfield	0	95	0	0	812,000	0	3,470,500	4,282,595	0
Portland Station, Portland, Northampton	0	0	0	0	357,200	0	2,727,000	3,084,200	0
Cheswick Power Station, Springdale, Allegheny	0	0	0	0	989,940	0	2,583,980	3,573,920	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.